<u>IN THE CLAIMS</u>:

Please amend Claims 38-42, 48-50, 56-58, 64-66, 72 and 73 as follows.

1.-37. (Cancelled)

38. (Currently Amended) An apparatus for generating additional data ~~which is~~ used for checking whether [[a]] <u>an encoded</u> digital image ~~encoded by a predetermined encoding format~~ is changed or not, the apparatus comprising:

a calculation unit adapted to perform a predetermined calculation using the <u>encoded</u> digital image and confidential information; ~~and~~

a generating unit coupled to said calculation unit and adapted to generate the additional data using a result of the predetermined calculation<u>, and</u>

<u>a recording unit adapted to record the encoded digital image with the additional data on a recording medium</u>.

39. (Currently Amended) An apparatus for checking whether [[a]] <u>an encoded</u> digital image ~~encoded by a predetermined encoding format~~ is changed or not, the apparatus comprising:

an inputting unit adapted to input the <u>encoded</u> digital image ~~and~~ <u>with</u> first additional data used for checking whether the <u>encoded</u> digital image is changed or not;

a calculation unit adapted to perform a predetermined calculation using the <u>encoded</u> digital image and confidential information; and

a generating unit coupled to said calculation unit and adapted to generate second additional data using a result of the predetermined calculation,

wherein said apparatus is adapted to check whether the <u>encoded</u> digital image is changed or not using the first additional data and the second additional data.

40. (Currently Amended) A method ~~of generating~~ <u>for use in an apparatus which generates</u> additional data ~~which is~~ used for checking whether [[a]] <u>an encoded</u> digital image ~~encoded by a predetermined encoding format~~ is changed or not, the method comprising steps of:

~~a calculation step of~~ performing a predetermined calculation using the <u>encoded</u> digital image and confidential information; ~~and~~

~~a generating step of~~ generating the additional data using a result of the predetermined calculation<u>; and</u>

<u>recording the encoded digital image with the additional data on a recording medium</u>.

41. (Currently Amended) A method <u>for use in an apparatus which checks</u> ~~of checking~~ whether [[a]] <u>an encoded</u> digital image ~~encoded by a predetermined encoding format~~ is changed or not, the method comprising the steps of:

~~an inputting step of~~ inputting the <u>encoded</u> digital image ~~and~~ <u>with</u> first additional data used for checking whether the <u>encoded</u> digital image is changed or not;

~~a calculation step of~~ performing a predetermined calculation using the <u>encoded</u> digital image and confidential information;

a generating step of generating second additional data using a result of the predetermined calculation; and

a checking step of checking whether the <u>encoded</u> digital image is changed or not using the first additional data and the second additional data.

42. (Currently Amended) An apparatus according to claim 38, wherein the additional data is also used for checking integrity of the <u>encoded</u> digital image.

43. (Previously Presented) An apparatus according to claim 38, wherein the generating unit is adapted to use a one-way function to generate the additional data.

44. (Previously Presented) An apparatus according to claim 38, wherein the generating unit is adapted to use a secret key cryptosystem to generate the additional data.

45. (Previously Presented) An apparatus according to claim 38, wherein the confidential information is information unique to the apparatus.

46. (Previously Presented) An apparatus according to claim 38, wherein the confidential information is information unique to an external apparatus connected to the apparatus.

47. (Previously Presented) An apparatus according to claim 38, wherein the confidential information includes first information unique to the apparatus, and second information unique to an external apparatus connected to the apparatus.

48. (Currently Amended) An apparatus according to claim 38, wherein the apparatus is an apparatus which operates as a digital camera ~~or an apparatus including a digital camera~~.

49. (Currently Amended) An apparatus according to claim 38, wherein the apparatus is an apparatus which operates as a scanner.

50. (Currently Amended) An apparatus according to claim 39, wherein the first and second additional data is also used for checking integrity of the encoded digital image.

51. (Previously Presented) An apparatus according to claim 39, wherein the generating unit is adapted to use a one-way function to generate the second additional data.

52. (Previously Presented) An apparatus according to claim 39, wherein the generating unit is adapted to use a secret key cryptosystem to generate the second additional data.

53. (Previously Presented) An apparatus according to claim 39, wherein the confidential information is information unique to an apparatus which generates the first additional information.

54. (Previously Presented) An apparatus according to claim 39, wherein the confidential information is information unique to an external apparatus connected to an apparatus which generates the first additional information.

55. (Previously Presented) An apparatus according to claim 39, wherein the confidential information includes first information unique to an apparatus which generates the first additional information, and second information unique to an external apparatus connected to that apparatus.

56. (Currently Amended) An apparatus according to claim 39, wherein ~~the inputting unit is adapted to input a~~ the encoded digital image and additional data are generated in an apparatus which operates as a digital camera ~~or an apparatus including a digital camera~~.

57. (Currently Amended) An apparatus according to claim 39, wherein ~~the inputting unit is adapted to input a~~ the encoded digital image and additional data are generated in an apparatus which operates as a scanner.

58. (Currently Amended) A method according to claim 40, wherein the additional data is also used for checking integrity of the encoded digital image.

59. (Previously Presented) A method according to claim 40, wherein the generating step is adapted to use a one-way function to generate the additional data.

60. (Previously Presented) A method according to claim 40, wherein the generating step is adapted to use a secret key cryptosystem to generate the additional data.

61. (Previously Presented) A method according to claim 40, wherein the confidential information is information unique to an apparatus using the method.

62. (Previously Presented) A method according to claim 40, wherein the confidential information is information unique to an external apparatus connected to an apparatus using the method.

63. (Previously Presented) A method according to claim 40, wherein the confidential information includes first information unique to an apparatus using the method, and second information unique to an external apparatus connected to that apparatus.

64. (Currently Amended) A method according to claim 40, wherein ~~the method is used in a digital camera or an apparatus including a digital camera~~ the apparatus is an apparatus which operates as a digital camera.

65. (Currently Amended) A method according to claim 40, wherein the apparatus is ~~used in a scanner~~ an apparatus which operates as a scanner.

66. (Currently Amended) A method according to claim 41, wherein the first and second additional data is also used for checking integrity of the encoded digital image.

67. (Previously Presented) A method according to claim 41, wherein the generating step is adapted to use a one-way function to generate the second additional data.

68. (Previously Presented) A method according to claim 41, wherein the generating step is adapted to use a secret key cryptosystem to generate the second additional data.

69. (Previously Presented) A method according to claim 41, wherein the confidential information is information unique to an apparatus which generates the first additional information.

70. (Previously Presented) A method according to claim 41, wherein the confidential information is information unique to an external apparatus connected to an apparatus which generates the first additional information.

71. (Previously Presented) A method according to claim 41, wherein the confidential information includes first information unique to an apparatus which generates the first additional information, and second information unique to an external apparatus connected to that apparatus.

72. (Currently Amended) A method according to claim 41, wherein ~~the inputting step is adapted to input a~~ the encoded digital image and the additional data ~~are~~ generated in an apparatus which operates as a digital camera ~~or an apparatus including a digital camera~~.

73. (Currently Amended) A method according to claim 41, wherein ~~the inputting step is adapted to input a~~ the encoded digital image and additional data generated in an apparatus which operates as a scanner.